HOBKIRK'S
SEWING CENTRES
2 - 50

KNIT BOOKS

Basic patterns for Machine Knitting

IN 3PLY 4PLY AND DOUBLE KNIT

Set-In Sleeve

Round and V-Necked Sweaters
Long and Short Sleeves
V-Necked Cardigans
Sizes ranging from 22" - 44"

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Thickness of yarn varies even within a similar range. It is very important to knit a sample swatch over at least 60 stitches and 80 rows. Let this piece rest for 24 hours before measuring, especially if the yarn contains wool. Shetland wool samples should be washed and pressed before measuring.

These patterns are suitable for use as stocking stitch patterns. You could use a fairisle band or lace border as variations. Some small lace patterns can also be used as all-over designs without affecting the tension, **but** please avoid all-over fairisle, tuck stitch, slipstitch and knitmaster Fashion Lace, as well as Jones Lacecards requiring more than 4 passes with the lace carriage.

The garments on the following pages have been test-knitted over a number of years on various knitting machines, using yarns ranging from branded yarns to industrial yarns stranded to the correct thickness. It is always easier to achieve the right number of stitches per inch than the right number of rows. Rows for length can be added or subtracted to achieve the right length for the garment.

The following are the most popular counts available:

2/ 8 using 1 strand = 4 ply
2/16 " 1 strand = 2 ply
2/16 " 2 strand = 4 ply
2/20 " 2 strand = 4 ply
2/24 " 2 strand = 3 ply
2/28 " 3 strand = 3 or soft 4 ply
2/30 " 1 strand) Approximately 1 ply
2/32 " 1 strand)

The latter two are the most popular of all and can be used to knit any required thickness including double knitting.

	2 ply	is generally knitted on tension	2 - 4
	3 ply	" " "	4 - 5
Soft	4 ply	" " "	5 - 7
Full	4 ply	" " "	6 - 7
Soft	D.K.	" " "	7 - 9
Full	D.K.	" " "	8 - 10

BASIC MEASUREMENTS

Sizes	ins	22	24	26	28	30	32	34	36	38	40	42	44
	cms	55	60	65	70	75	80	85	90	95	100	105	110
Finished Bust or Chest Size	ins	24	26	28	30	32	34	36	38	40	42	44	46
	cms	60	65	70	75	80	85	90	95	100	105	110	115
Length at Centre of Back	ins	13½	15½	18	20	22½	23½	24½	25	26	27	27	27½
	cms	34	39	46	51	57	59.5	62	63.5	66	68.5	68.5	70
Length of Sleeve Seam	ins	10½	12½	15	15½	16½	17½	17½	18½	19	19½	19½	19½
	cms	26.5	32	38	39	42	44	44	47	48	49.5	49.5	49.5

3 PLY

SWEATER & CARDIGAN — BACK

TENSION: 8 stitches and 12 rows = 1 inch (2.5cm)

SIZES	ins.	22	24	26	28	30	32	34	36	38	40	42	44
	cms.	55	60	65	70	75	80	85	90	95	100	105	110
1. Cast on ★ ★ ★ sts.		99	107	115	123	131	139	147	155	163	171	179	187
2. Knit 20 rows 1 × 1 rib or 36 rows Mock rib.													
3. RC 000. MT. Change to stocking st. Knit ★ ★ ★ rows. (Adjust length here if required)		74	92	110	128	146	156	160	164	168	172	172	176
4. Armhole shaping:- RC 000. Cast off ★ ★ ★ sts. at beg. of next 2 rows.		5	6	6	7	7	8	8	9	10	11	12	12
5. Dec. 1 st each end of next and every alt. row ★ ★ ★ times.		6	6	7	7	8	8	10	10	11	12	13	15
6. Knit without shaping to RC ★ ★ ★.		50	58	66	70	74	80	84	88	92	96	98	100
7. Shoulder shaping:- Cast off ★ ★ ★ st at beg. of next 6 rows.		5	6	7	7	8	8	8	9	9	10	10	10
Cast off ★ ★ ★ st at beg. of next 2 rows.		8	7	6	8	6	8	9	8	9	8	9	10
8. Knit remaining sts off with waste yarn.													

3 PLY

SWEATER & CARDIGAN — LONG SLEEVES

TENSION: 8 stitches and 12 rows = 1 inch (2.5cm)

SIZES												
	ins.	22	24	26	28	30	32	34	36	38	40	42	44
	cms.	55	60	65	70	75	80	85	90	95	100	105	110
1. Cast on ★ ★ ★ sts.		53	57	59	63	65	67	69	71	73	77	83	87
2. Knit 20 rows 1 × 1 rib or 36 rows Mock rib.													
3. RC 000. MT. Change to stocking st. Increase 1 st each end of next and every 8th row until ★ ★ ★ sts.		69	77	83	89	95	103	107	111	117	125	131	135
4. Knit straight to RC ★ ★ ★. (Adjust length here if required).		98	124	142	152	162	172	182	188	192	192	192	192
5. Shape sleeve top:- RC 000. Cast off ★ ★ ★ sts at beg. of next 2 rows.		5	5	5	6	6	7	7	7	8	9	10	11
6. Dec. 1 st at each end of next and every alt. row to RC 10.													
7. Dec. 1 st at each end of next and every 4th row to RC ★ ★ ★.		18	18	18	18	18	18	18	18	18	18	18	22
8. Dec. 1 st at each end of next and every alt. row to RC ★ ★ ★.		26	32	40	42	46	52	56	58	62	66	66	68
9. Dec. 1 st at each end of next 10 rows.													
10. Cast off remaining sts.													

3 PLY

SWEATER & CARDIGAN — SHORT SLEEVES

TENSION: 8 stitches and 12 rows = 1 inch (2.5cm)

SIZES													
	ins.	22	24	26	28	30	32	34	36	38	40	42	44
	cms.	55	60	65	70	75	80	85	90	95	100	105	110
1. Cast on ★ ★ ★ sts.		61	67	73	77	83	89	93	95	101	107	113	115
2. Knit 10 rows 1 × 1 rib or 18 rows Mock rib.													
3. RC 000. MT. Change to stocking st. Increase 1 st each end of next and every ★ ★ ★th row ★ ★ ★ times		2 5	3 5	4 5	4 6	4 6	4 7	4 7	4 8	4 8	4 9	4 9	4 10
4. Knit straight to RC ★ ★ ★ (Adjust length here if required)		20	30	40	48	48	56	56	64	64	72	72	80
5. Shape sleeve top as for long sleeve (page 6). (Instructions 5 to 10)													

3 PLY

SWEATER — FRONT — V NECK

TENSION: 8 stitches and 12 rows = 1 inch (2.5cm)

SIZES												
	ins.	22	24	26	28	30	32	34	36	38	40	42	44
	cms.	55	60	65	70	75	80	85	90	95	100	105	110
1. Cast on and knit as sweater back to beg. of Armhole shaping. (Page 5 instructions 1 - 4)													
2. Put half of remaining sts on opp. side to cambox to HP. Continue armhole shaping (page 5 instruction 5) at the same time dec. at neck edge 1 st every 4th row until ★ ★ ★ sts remain.		23	25	27	29	30	32	33	35	36	38	39	40
3. Knit without shaping to RC ★ ★ ★.		50	58	66	70	74	80	84	88	92	96	98	100
4. Shoulder shaping:- Cast off ★ ★ ★ sts. at beg. of next and every alt. row 3 times.		5	6	7	7	8	8	8	9	9	10	10	10
5. Cast off remaining sts.													
6. Return needles from HP to WP and knit 2nd side to match, reversing shapings.													

3 PLY

SWEATER FRONT — ROUND NECK

TENSION: 8 stitches and 12 rows = 1 inch (2.5cm)

SIZES												
	ins.	22	24	26	28	30	32	34	36	38	40	42	44
	cms.	55	60	65	70	75	80	85	90	95	100	105	110
1. Cast on and knit as sweater back to end of Armhole shaping (page 5 instructions 1 - 5).													
2. Knit without shaping to RC ★ ★ ★		30	36	42	46	48	54	56	60	62	64	66	66
3. Shape Neck:- With waste yarn take off centre ★ ★ ★ sts and put needles on opp. side to cambox to HP.		17	17	19	19	21	23	23	25	25	25	27	27
4. Dec 1 st at neck edge on next 4 rows.													
5. Dec. 1 st at neck edge on alt. rows until ★ ★ ★ sts remain.		23	25	27	29	30	32	33	35	36	38	39	40
6. Knit without shaping to RC ★ ★ ★.		50	58	66	70	74	80	84	88	92	98	100	
7. Shoulder shaping:- Cast off ★ ★ ★ st at beg. of next and every alt. row 3 times.		5	6	7	7	8	8	8	9	9	10	10	10
8. Cast off remaining sts													
9. Return needles from HP to WP and knit 2nd side to match, reversing shaping.													

3 PLY

CARDIGAN FRONT — V NECK

TENSION: 8 stitches and 12 rows = 1 inch (2.5cm)

SIZES	ins.	22	24	26	28	30	32	34	36	38	40	42	44
	cms.	55	60	65	70	75	80	85	90	95	100	105	110
1. Cast on ★ ★ ★ sts.		47	51	55	59	63	67	71	75	79	83	87	91
2. Knit 20 rows 1 × 1 rib or 36 rows Mock rib.													
3. RC 000. MT. Change to stocking st. Knit ★ ★ ★ rows. (Adjust length here if required)		74	92	110	128	146	156	160	164	168	172	176	176
4. Armhole and V Neck shaping:- RC 000. Cast off ★ ★ ★ sts. at armhole edge of next row. Knit one row.		5	6	6	7	7	8	8	9	10	11	12	12
5. Dec. 1 st at armhole edge on next and every alt row ★ ★ ★ times. At the same time dec. 1 st at neck edge on every 4th row until ★ ★ ★ sts remain.		6	6	7	7	8	8	10	10	11	12	13	15
		23	25	27	29	30	32	33	35	36	38	39	40
6. Knit without shaping to RC ★ ★ ★.		50	58	66	70	74	80	84	88	92	96	98	100
7. Shoulder shaping:- Cast off ★ ★ ★ st at armhole edge of next and every alt row 3 times.		5	6	7	7	8	8	8	9	9	10	10	10
8. Cast off remaining sts.													
9. Knit 2nd side to match, reversing shapings.													

3 PLY — CARDIGAN FRONT — ROUND NECK

TENSION: 8 stitches and 12 rows = 1 inch (2.5cm)

SIZES												
ins.	22	24	26	28	30	32	34	36	38	40	42	44
cms.	55	60	65	70	75	80	85	90	95	100	105	110
1. Cast on and knit as Cardigan Front V neck to beg. of armhole shaping (page 10 instructions 1 - 3.												
2. Armhole shaping:- RC 000. Cast of ★ ★ ★ sts at armhole edge of next row. Knit 1 row.	5	6	6	7	7	8	8	9	10	11	12	12
3. Dec. 1 st at armhole edge on next and every alt row ★ ★ ★ times.	6	6	7	7	8	8	10	10	11	12	13	15
4. Knit without shaping to RC ★ ★ ★.	30	36	42	46	48	54	56	60	62	64	66	66
5. Cast off ★ ★ ★ sts at neck edge.	6	6	7	7	8	9	9	10	10	10	11	12
6. Dec. 1 st at neck edge on next 4 rows.												
7. Dec. 1 st at neck edge on alt. rows until ★ ★ ★ sts remain.	23	25	27	29	30	32	33	35	36	38	39	40
8. Knit without shaping to RC ★ ★ ★	50	58	66	70	74	80	84	88	92	96	98	100
9. Shoulder Shaping:- Cast off ★ ★ ★ sts at armhole edge of next and every alt. row 3 times.	5	6	7	7	8	8	8	9	9	10	10	10
10. Cast off remaining sts.												
11. Knit 2nd side to match, reversing shapings.												

4 PLY

SWEATER & CARDIGAN — BACK

TENSION: 7 stitches and 10 rows = 1 inch (2.5cm)

SIZES	ins.	22	24	26	28	30	32	34	36	38	40	42	44
	cms.	55	60	65	70	75	80	85	90	95	100	105	110
1. Cast on ★ ★ ★ sts.		87	93	101	107	115	121	129	135	143	149	157	163
2. Knit 20 rows 1 × 1 rib or 40 rows Mock rib.													
3. RC 000. MT. Change to stocking st. Knit ★ ★ ★ rows. (Adjust length here if required)		68	84	100	118	132	142	146	148	152	156	160	160
4. Armhole shaping:- RC 000. Cast off ★ ★ ★ sts. at beg. of next 2 rows.		3	3	4	5	5	6	7	7	8	9	10	11
5. Dec. 1 st each end of next and every alt. row ★ ★ ★ times.		5	5	6	6	6	6	7	8	9	10	12	12
6. Knit without shaping to RC ★ ★ ★.		46	54	60	64	68	72	76	80	84	86	88	92
7. Shoulder shaping:- Cast off ★ ★ ★ st at beg. of next 6 rows.		5	5	6	6	6	7	7	7	8	8	8	9
Cast off ★ ★ ★ st at beg. of next 2 rows.		6	7	6	7	9	7	9	10	9	9	11	8
8. Knit remaining sts off with waste yarn.													

4 PLY

SWEATER & CARDIGAN — LONG SLEEVES

TENSION: 7 stitches and 10 rows = 1 inch (2.5cm)

SIZES												
	ins.	22	24	26	28	30	32	34	36	38	40	42	44
	cms.	55	60	65	70	75	80	85	90	95	100	105	110
1. Cast on ★ ★ ★ sts.		47	51	53	55	57	59	61	63	65	67	69	73
2. Knit 20 rows 1 × 1 rib or 40 rows Mock rib.													
3. RC 000. MT. Change to stocking st. Increase 1 st each end of next and every 8th row until ★ ★ ★ sts.		59	67	73	77	83	89	93	97	103	109	113	117
4. Knit straight to RC ★ ★ ★. (Adjust length here if required.		90	114	132	140	152	158	158	168	172	176	176	176
5. Shape sleeve top:- RC 000. Cast off ★ ★ ★ sts at beg. of next 2 rows.		3	3	3	4	4	5	5	5	5	7	8	9
6. Dec. 1 st at each end of next and every alt. row to RC 10.													
7. Dec. 1 st at each end of next and every 4th row to RC ★ ★ ★.		18	18	18	18	18	18	18	18	18	18	18	22
8. Dec. 1 st at each end of next and every alt. row to RC ★ ★ ★.		24	30	36	38	42	44	48	50	54	56	58	60
9. Dec. 1 st at each end of next 10 rows.													
10. Cast off remaining sts.													

4 PLY

SWEATER & CARDIGAN — SHORT SLEEVES

TENSION: 7 stitches and 10 rows = 1 inch (2.5cm)

SIZES												
	ins.	22	24	26	28	30	32	34	36	38	40	42	44
	cms.	55	60	65	70	75	80	85	90	95	100	105	110
1. Cast on ★ ★ ★ sts.		53	59	65	67	73	77	81	83	89	95	97	101
2. Knit 10 rows 1 × 1 rib or 20 rows Mock rib.													
3. RC 000. MT. Change to stocking st. Increase 1 st each end of next and every ★ ★ ★th row until ★ ★ ★ sts.		4 59	4 67	4 73	5 77	5 83	6 89	6 93	7 97	7 103	7 109	8 113	8 117
4. Knit straight to RC ★ ★ ★ (Adjust length here if required)		30	36	36	40	40	42	42	50	50	50	54	54
5. Shape sleeve top as for long sleeve (page 13). (Instructions 5 to 10)													

4 PLY

SWEATER FRONT — V NECK

TENSION: 7 stitches and 10 rows = 1 inch (2.5cm)

SIZES												
	ins.	22	24	26	28	30	32	34	36	38	40	42	44
	cms.	55	60	65	70	75	80	85	90	95	100	105	110
1. Cast on and knit as sweater back to beg. of Armhole shaping, (page 12 instructions 1 - 4)													
2. Put half of remaining sts on opp. side to cambox to HP. Continue armhole shaping (page 12 instruction 5) at the same time dec. at neck edge 1 st every 4th row until ★ ★ ★ sts remain.		21	22	24	25	27	28	30	31	33	33	35	35
3. Knit without shaping to RC ★ ★ ★.		46	54	60	64	68	72	76	80	84	86	88	92
4. Shoulder shaping:- Cast off ★ ★ ★ sts. at beg. of next and every alt. row 3 times.		5	5	6	6	6	7	7	7	8	8	8	9
5. Cast off remaining sts.													
6. Return needles from HP to WP and knit 2nd side to match, reversing shapings.													

4 PLY

SWEATER FRONT — ROUND NECK

TENSION: 7 stitches and 10 rows = 1 inch (2.5cm)

SIZES												
ins.	22	24	26	28	30	32	34	36	38	40	42	44
cms.	55	60	65	70	75	80	85	90	95	100	105	110
1. Cast on and knit as sweater back to end of Armhole shaping (page 12 instructions 1 - 5).												
2. Knit without shaping to RC ★ ★ ★	30	36	40	44	46	50	52	56	58	58	60	62
3. Shape Neck:- With waste yarn take off centre ★ ★ ★ sts and put needles on opp. side to cambox to HP.	15	17	17	17	19	21	21	21	21	21	23	23
4. Dec 1 st at neck edge on next 4 rows.												
5. Dec. 1 st at neck edge on alt. rows until ★ ★ ★ sts remain.	21	22	24	25	27	28	30	31	33	33	35	35
6. Knit without shaping to RC ★ ★ ★.	46	54	60	64	68	72	76	80	84	86	88	92
7. Shoulder shaping:- Cast off ★ ★ ★ st at beg. of next and every alt. row 3 times.	5	5	6	6	6	7	7	7	8	8	8	9
8. Cast off remaining sts												
9. Return needles from HP to WP and knit 2nd side to match, reversing shaping.												

4 PLY

CARDIGAN FRONT — V NECK

TENSION: 7 stitches and 10 rows = 1 inch (2.5cm)

SIZES												
	ins.	22	24	26	28	30	32	34	36	38	40	42	44
	cms.	55	60	65	70	75	80	85	90	95	100	105	110
1. Cast on ★ ★ ★ sts.		41	45	49	53	57	59	63	67	71	73	77	81
2. Knit 20 rows 1 × 1 rib or 40 rows Mock rib.													
3. RC 000. MT. Change to stocking st. Knit ★ ★ ★ rows. (Adjust length here if required)		68	84	100	118	132	142	146	148	152	156	160	160
4. Armhole and V Neck shaping:- RC 000. Cast off ★ ★ ★ sts. at armhole edge of next row. Knit one row.		3	3	4	5	5	6	7	7	8	9	10	11
5. Dec. 1 st at armhole edge on next and every alt row ★ ★ ★ times. At the same time dec. 1 st at neck edge on every 4th row until ★ ★ ★ sts remain.		5	5	6	6	6	6	7	8	9	10	12	12
		21	22	24	25	27	28	30	31	33	33	35	35
6. Knit without shaping to RC ★ ★ ★.		46	54	60	64	68	72	76	80	84	86	88	92
7. Shoulder shaping:- Cast off ★ ★ ★ st at armhole edge of next and every alt row 3 times.		5	5	6	6	6	7	7	7	8	8	8	9
8. Cast off remaining sts.													
9. Knit 2nd side to match, reversing shapings.													

4 PLY — CARDIGAN FRONT — ROUND NECK

TENSION: 7 stitches and 10 rows = 1 inch (2.5cm)

SIZES												
	ins.	22	24	26	28	30	32	34	36	38	40	42	44
	cms.	55	60	65	70	75	80	85	90	95	100	105	110
1. Cast on and knit as Cardigan Front V neck to beg. of armhole shaping (page 17 instructions 1 - 3.													
2. Armhole shaping:- RC 000. Cast off ★ ★ ★ sts at armhole edge of next row. Knit 1 row.		3	3	4	5	5	6	7	7	8	9	10	11
3. Dec. 1 st at armhole edge on next and every alt row ★ ★ ★ times.		5	5	6	6	6	6	7	8	9	10	12	12
4. Knit without shaping to RC ★ ★ ★.		30	36	40	44	46	50	52	56	58	58	60	62
5. Cast off ★ ★ ★ sts at neck edge.		5	6	7	7	8	9	9	10	10	10	10	11
6. Dec. 1 st at neck edge on next 4 rows.													
7. Dec. 1 st at neck edge on alt. rows until ★ ★ ★ sts remain.		21	22	24	25	27	28	30	31	33	33	35	35
8. Knit without shaping to RC ★ ★ ★		46	54	60	64	68	72	76	80	84	86	88	92
9. Shoulder Shaping:- Cast off ★ ★ ★ sts at armhole edge of next and every alt. row 3 times.		5	5	6	6	6	7	7	7	8	8	8	9
10. Cast off remaining sts.													
11. Knit 2nd side to match, reversing shapings.													

DOUBLE KNITTING

SWEATER & CARDIGAN — BACK

TENSION: 6 stitches and 8 rows = 1 inch (2.5cm)

SIZES												
	ins.	22	24	26	28	30	32	34	36	38	40	42	44
	cms.	55	60	65	70	75	80	85	90	95	100	105	110
1. Cast on ★ ★ ★ sts.		75	81	87	93	99	105	111	117	123	129	135	141
2. Knit ★ ★ ★ rows 1 × 1 rib		12	14	14	14	16	16	16	18	18	18	20	20
or ★ ★ ★ rows Mock rib.		24	28	28	28	32	32	32	38	38	38	40	40
3. RC 000. MT. Change to stocking st. Knit ★ ★ ★ rows. (Adjust length here if required)		54	66	80	94	104	112	116	118	120	124	126	126
4. Armhole shaping:- RC 000. Cast off ★ ★ ★ sts. at beg. of next 2 rows.		3	3	3	4	4	5	6	7	7	8	9	9
5. Dec. 1 st each end of next and every alt. row ★ ★ ★ times.		4	5	5	5	6	6	6	7	8	9	10	11
6. Knit without shaping to RC ★ ★ ★.		36	40	46	50	54	56	58	62	66	68	70	70
7. Shoulder shaping:- Cast off ★ ★ ★ st at beg. of next 6 rows.		4	5	5	5	6	6	6	7	7	7	8	8
Cast off ★ ★ ★ st at beg. of next 2 rows.		6	4	6	7	5	6	7	5	6	7	5	6
8. Knit remaining sts off with waste yarn.													

DOUBLE KNITTING

SWEATER & CARDIGAN — LONG SLEEVES

TENSION: 6 stitches and 8 rows = 1 inch (2.5cm)

SIZES												
	ins.	22	24	26	28	30	32	34	36	38	40	42	44
	cms.	55	60	65	70	75	80	85	90	95	100	105	110
1. Cast on ★ ★ ★ sts.		41	43	45	47	49	51	53	55	57	59	63	67
2. Knit 16 rows 1 × 1 rib or 32 rows Mock rib.													
3. RC 000. MT. Change to stocking st. Increase 1 st each end of next and every 8th row until ★ ★ ★ sts.		51	57	63	67	71	75	77	83	87	91	95	99
4. Knit straight to RC ★ ★ ★. (Adjust length here if required).		72	88	104	110	118	124	124	132	134	138	138	138
5. Shape sleeve top:- RC 000. Cast off ★ ★ ★ sts at beg. of next 2 rows.		2	3	3	3	3	4	4	5	5	6	7	8
6. Dec. 1 st at each end of next and every alt. row to RC 10.													
7. Dec. 1 st at each end of next and every 4th row to RC ★ ★ ★.		10	14	14	14	14	14	14	14	14	14	14	14
8. Dec. 1 st at each end of next and every alt. row to RC ★ ★ ★.		16	18	24	26	30	30	32	34	38	38	40	40
9. Dec. 1 st at each end of next 10 rows.													
10. Cast off remaining sts.													

DOUBLE KNITTING

SWEATER & CARDIGAN — SHORT SLEEVES

TENSION: 6 stitches and 8 rows = 1 inch (2.5cm)

SIZES												
	ins.	22	24	26	28	30	32	34	36	38	40	42	44
	cms.	55	60	65	70	75	80	85	90	95	100	105	110
1. Cast on ★ ★ ★ sts.		47	51	55	59	63	67	69	71	75	79	81	87
2. Knit 16 rows 1 × 1 rib or 32 rows Mock rib.													
3. RC 000. MT. Change to stocking st. Knit 2 rows. Increase 1 st each end of next and every													
★ ★ ★th row		2	2	2	3	4	4	4	4	4	4	4	4
★ ★ ★ times		3	3	4	4	4	5	5	6	6	7	7	8
4. Knit straight to RC ★ ★ ★ (Adjust length here if required)		12	12	16	20	20	26	26	30	30	36	36	40
5. Shape sleeve top as for long sleeve (page 20). (Instructions 5 to 10)													

DOUBLE KNITTING

SWEATER FRONT — V NECK

TENSION: 6 stitches and 8 rows = 1 inch (2.5cm)

SIZES												
	ins.	22	24	26	28	30	32	34	36	38	40	42	44
	cms.	55	60	65	70	75	80	85	90	95	100	105	110
1. Cast on and knit as sweater back to beg. of Armhole shaping, (page 19 instructions 1 - 4)													
2. Put half of remaining sts on opp. side to cambox to HP. Continue armhole shaping (page 19 instruction 5) at the same time dec. at neck edge 1 st every 4th row until ★ ★ ★ sts remain.		18	19	21	22	23	24	25	26	27	28	29	30
3. Knit without shaping to RC ★ ★ ★.		36	40	46	50	54	56	58	62	66	68	70	70
4. Shoulder shaping:- Cast off ★ ★ ★ sts. at beg. of next and every alt. row 3 times.		4	5	5	5	6	6	6	7	7	7	8	8
5. Cast off remaining sts.													
6. Return needles from HP to WP and knit 2nd side to match, reversing shapings.													

DOUBLE KNITTING
SWEATER FRONT — ROUND NECK

TENSION: 6 stitches and 8 rows = 1 inch (2.5cm)

SIZES												
	ins.	22	24	26	28	30	32	34	36	38	40	42	44
	cms.	55	60	65	70	75	80	85	90	95	100	105	110
1. Cast on and knit as sweater back to end of Armhole shaping (page 19 instructions 1 - 5).													
2. Knit without shaping to RC ★ ★ ★		20	26	30	34	38	38	40	42	44	46	48	48
3. Shape Neck With waste yarn take off centre ★ ★ ★ sts and put needles on opp. side to cambox to HP.		11	11	13	13	15	15	17	17	17	17	19	19
4. Dec 1 st at neck edge on next 4 rows.													
5. Dec. 1 st at neck edge on alt. rows until ★ ★ ★ sts remain.		18	19	21	22	23	24	25	26	27	28	29	30
6. Knit without shaping to RC ★ ★ ★.		36	40	46	50	54	56	58	62	66	68	70	70
7. Shoulder shaping:- Cast off ★ ★ ★ st at beg. of next and every alt. row 3 times.		4	5	5	5	6	6	6	7	7	7	8	8
8. Cast off remaining sts													
9. Return needles from HP to WP and knit 2nd side to match, reversing shaping.													

DOUBLE KNITTING

CARDIGAN FRONT — V NECK

TENSION: 6 stitches and 8 rows = 1 inch (2.5cm)

SIZES	ins.	22	24	26	28	30	32	34	36	38	40	42	44
	cms.	55	60	65	70	75	80	85	90	95	100	105	110
1. Cast on ★ ★ ★ sts.		35	39	41	45	47	51	53	57	59	63	67	69
2. Knit ribs as for back (page 19 instruction 2).													
3. RC 000. MT. Change to stocking st. Knit ★ ★ ★ rows. (Adjust length here if required)		54	66	80	94	104	112	116	118	120	124	126	126
4. Armhole and V Neck shaping:- RC 000. Cast off ★ ★ ★ sts. at armhole edge of next row. Knit one row.		3	3	3	4	4	5	6	7	7	8	9	9
5. Dec. 1 st at armhole edge on next and every alt row ★ ★ ★ times.		4	5	5	5	6	6	6	7	8	9	10	11
At the same time dec. 1 st at neck edge on every 4th row until ★ ★ ★ sts remain.		18	19	21	22	23	24	25	26	27	28	29	30
6. Knit without shaping to RC ★ ★ ★.		36	40	46	50	54	56	58	62	66	68	70	70
7. Shoulder shaping:- Cast off ★ ★ ★ st at armhole edge of next and every alt row 3 times.		4	5	5	5	6	6	6	7	7	7	8	8
8. Cast off remaining sts.													
9. Knit 2nd side to match, reversing snapings.													

DOUBLE KNITTING — CARDIGAN FRONT — ROUND NECK

TENSION: 6 stitches and 8 rows = 1 inch (2.5cm)

SIZES												
	ins.	22	24	26	28	30	32	34	36	38	40	42	44
	cms.	55	60	65	70	75	80	85	90	95	100	105	110
1. Cast on and knit as Cardigan Front V neck to beg. of armhole shaping (page 24 instructions 1 - 3).													
2. Armhole shaping:- RC 000. Cast off ★ ★ ★ sts at armhole edge of next row. Knit 1 row.		3	3	3	4	4	5	6	7	7	8	9	9
3. Dec. 1 st at armhole edge on next and every alt row ★ ★ ★ times.		4	5	5	5	6	6	6	7	8	9	10	11
4. Knit without shaping to RC ★ ★ ★.		20	26	30	34	38	38	40	42	44	46	48	48
5. Cast off ★ ★ ★ sts at neck edge.		3	4	4	5	5	6	6	7	7	8	8	8
6. Dec. 1 st at neck edge on next 4 rows.													
7. Dec. 1 st at neck edge on alt. rows until ★ ★ ★ sts remain.		18	19	21	22	23	24	25	26	27	28	29	30
8. Knit without shaping to RC ★ ★ ★		36	40	46	50	54	56	58	62	66	68	70	70
9. Shoulder Shaping:- Cast off ★ ★ ★ sts at armhole edge of next and every alt. row 3 times.		4	5	5	5	6	6	6	7	7	7	8	8
10. Cast off remaining sts.													
11. Knit 2nd side to match, reversing shapings.													

SHOULDER SHAPINGS

To achieve a smoother line on the shaping, please try this method.

Example:

30″ Bust. Sweater and Cardigan Back 4ply. After completing armhole shaping knit to R.C. 68.
Carriage on left. Set to H. P. On right side pull 6 needles to H. P. Knit one row and bring yarn under last N. in H. P. and up between last and last but one needle. On left side bring 6 N. to H. P., knit one row and bring yarn around last needle in H. P. Repeat twice more. Bring 9 N. to H. P. on right side, knit one row, yarn around last needle in H. P. 9 N. to H. P. on left side, knit one row, yarn around last N. in H. P. With carriage at left, return N. at right from H. P. to W. P. Knit one row. Return N. at left from H. P. to W. P. and knit one row. 112sts. in W. P. With pieces of waste yarn put markers between st. 28 and 29 at each side to denote ends of shoulders and back neck. With waste yarn knit 6-8 rows and release from machine. After knitting the front with similar shoulder shaping, join the shoulders on the machine as follows. Replace 27sts. of one side of back on the needles, right side facing you. Replace 27sts. of matching shoulder of front on the same needles, purl side facing you. Knit one row from left to right at M. T. knit one row right to left and cast off, using a linker or latchtool method.

KNITTING CARDIGAN WELTS ON THE RIBBER

Try this way for a neater edge.

Cast on over required no. of sts., having 1st and last st. on mainbed. After knitting the circular rows for selvedge, set machine for 1 x 1 rib knitting and bring 1 additional needle at each end to W. P. on the mainbed. Continue to knit welt as normal.

KNITTING NECKBANDS FOR ROUND NECK SWEATERS AND CARDIGANS ON THE RIBBER

Replace stitches from waste yarn of sweater back and front onto needles, right side facing you. Knit one row at M. T. Push ribber into position and transfer alt. needles to ribber. Insert ribber comb and knit 10 R.

To achieve a firm turning row, set ribber to **Slip** for 2 rows and knit these two rows on mainbed only.

Return to normal rib knitting and knit 10 R.

Transfer ribber stitches to mainbed and knit 1. R. at M. T.

Knit several rows with waste yarn and release from machine. Pin neckband into position and backstitch through loops of last row of main yarn, stretching your work slightly whilst sewing. The two rows knitted on the mainbed only form a very definite turning line. In 3 ply yarns it is necessary to knit 3 or 4 rows on the same setting to achieve a good result.

THREE METHODS OF GRAFTING

ONE

A. Pick up loops and hang on needles.

B. When picking up loops on hem, pick up loops that are on the front half of hem.

C. Pull needle forward until the back stitch only falls behind its latch. Push back the needle until the latch is closed over the picked up stitches.

D. Push all needles to 'B' position.

E. Cast off all stitches loosely by hand.

THREE METHODS OF GRAFTING

TWO

A. Knit 1 row on very loose tension.

B. Cast off using crochet hook method.

C. Using needle and wool sew band to garment.

THREE

A. Knit 2 rows of contrast colour.

B. Remove work from machine.

C. Undo contrast colour and slip stitch open loops to garment.

NOTE: Method ONE gives you the firmest band.
Knit other side front same only place button holes as required.
Join shoulder or raglan seams.
Wrong side of garment facing you pick up long loops around neck and top of bands just knitted. When picking up loop on top of front bands pick up same as you did on hem.

V NECK CARDIGAN

1. With shoulder or raglan seams joined, pick up long loops up cardigan front to one shoulder seam.
2. Knit as for round cardigan.
3. Pick up loops on other front up cardigan front and across back of neck so as to make only one join on shoulder seam.
4. Repeat item 2.

NOTE: On very large garment it may necessary to have two joins. If this is necessary knit each front up to shoulder seams then knit across back of neck separately.

BUTTONHOLES

ANY SIZE BUTTONHOLE IF BUTTON-BAND IS KNITTED SEPARATELY AND STITCHED ON AFTERWARDS

1. Cast on by hand enough stitches for a double button-band.
2. Knit 6 rows, then cast off, 4 stitches equally on either side of band i.e. if the finished size of the button-band is to be 12 stitches wide, the 24 stitches will have to be cast on. The buttonhole will then be worked on the 5th, 6th, 7th and 8th needles on one side of the band, and on the 17th, 18th, 19th and 20th needles on the other side of the band.
3. Push empty needles (where buttonhole stitches have been cast off from) into 'B' position (or working position) and knit 1 row.
4. Remove yarn from buttonhole needles and replace back on needle, twisting the yarn to form a stitch. Hold these stitches down by placing the nylon cord over the stitches, and carry on knitting to the next buttonhole.

QUICK TWO STITCH BUTTONHOLE

1. Using two stitches for buttonhole only, transfer each stitch outwards onto the next needle.
2. Bring one empty needle to 'B' position, and the second empty needle to 'holding' position.
3. Make sure that the levers which operate the needles are set so that they will leave needles in 'holding' position where they are, and knit 2 rows.
4. Set levers so that they will knit needles in 'holding' position, and carry on knitting to next buttonhole.

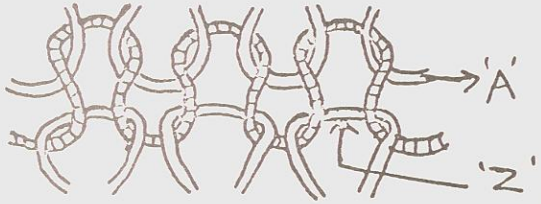
HORIZONTAL BUTTONHOLE

This type of band can be used for 'Golfer' V neck cardigans, or for shorter neck openings, or button-bands picked up ad knitted sideways. Always pick 3 loose stitches then 1 knotted stitch right along pick-up edge. This will give a nice even edge to any knitting.

After picking up the stitches, set RC. 000 (Knowing that button-bands on a single bed machine have to be double, then a button-band width of 12 rows would have to be knitted, thus, assuming Tension 7 was the main tension for the garment, then 12 rows should be knitted on Tension 5, 1 row on Tension 8, and 12 rows on Tension 5. A normal sized buttonhole can be knitted over 4 needles. If a longer one is required, then use MORE needles, and for a smaller buttonhole, then use LESS needles). Knit one quarter of the total number of rows needed for the double band, i.e. 6 Rows. Manually knit the stitches for the buttonhole onto nylon

cord then knit the second quarter of the total number of rows i.e. a further 6 rows. Work one row 2 tensions looser. Return to 2 tensions tighter and knit the 3rd quarter of rows, i.e. 6 rows.

To complete the working of the buttonholes.



With a single transfer tool, pick up the half pitch loop on the right hand side of the top half of the contrast yarn, 'A' on the illustration, and place it on the right hand needle of the buttonhole. Draw the needle forward so that the original stitch on the needle goes behind the latch and the new stitch stays in the hook. Return the needle to the 'B' position, so knitting the original stitch off. + Transfer the new stitch to the next left needle leaving the first (RH) needle empty. Pick up the second loop (centre) of the contrast wool onto the next needle and draw this loop through the two stitches. Repeat from + until 3 needles (or whatever number is used to make the buttonhole) are empty. Transfer the last stitch of the buttonhole onto the next left needle and draw through. This completes one side of the buttonhole. 4 needles should now be empty.

Second Side of the buttonhole

Using the single transfer tool, pick up the loops below the waste yarn, loop 'Z' and place them on the empty needles.

Work each buttonhole in this way and continue knitting the final quarter of the rows, i.e. 6 rows. Run the stitches off onto waste yarn ready for picking up to the main part of the garment.

This method will provide a buttonhole which will be completely finished with a closed edge in a double band.

SPECIAL HINTS

NEAT EDGE ON FAIR ISLE

When knitting a garment in Fair Isle push the end needle **BACK** to knitting position on every row. This will give a firmer edge which is neater when assembling the garment, it is also ideal for use on a linking machine.

The same method can be carried out on the side and raglan seams. Try pushing 4 needles back at each end of every row. These needles will knit the main colour and give an effective border on the garment.

ZIG ZAG CAST ON IN FULL NEEDLE RIB

Bring needles on both beds into working position. Half Pitch Lever on H. Rack once to the left and knit across insert comb attach weight and rack once to the right. Now knit welt without the circular rows. You get a neat edge with a little more give than the usual circular edge which can on full needle rib prove to be a bit tight.

This method is ideal for work with the Colour Changer.

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ESTABLISHED 1968

TENSIONS

3 ply — 8 stitches and 12 rows = 2.5 cm (1 inch) — approx Tension 5
4 ply — 7 stitches and 10 rows = 2.5 cm (1 inch) — approx Tension 7
Double Knitting — 6 stitches and 8 rows = 2.5 cm (1 inch) — approx Tension 9.